

FIG. 1
(PRIOR ART)

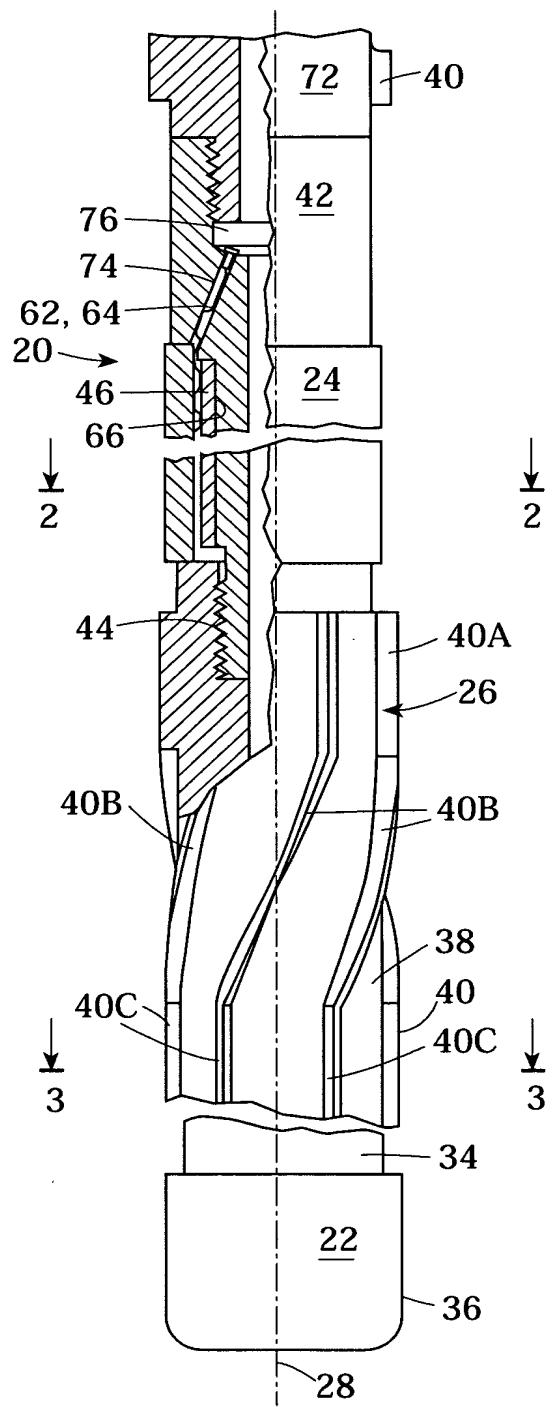


FIG. 2

(PRIOR ART)

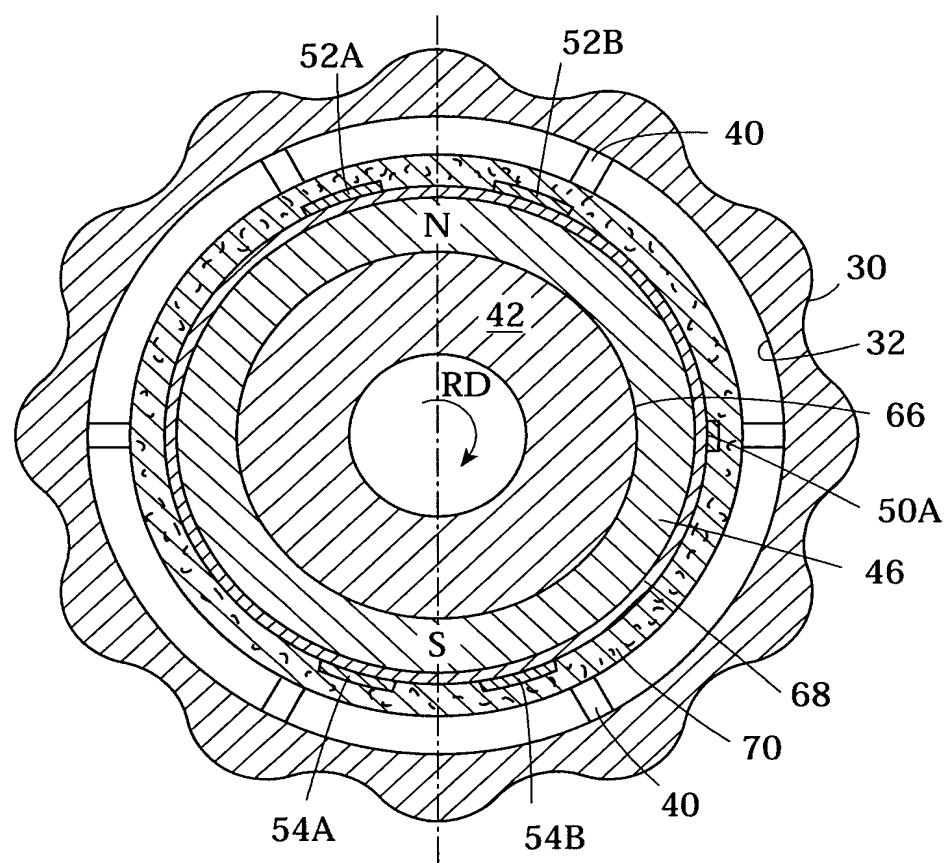


FIG. 3
(PRIOR ART)

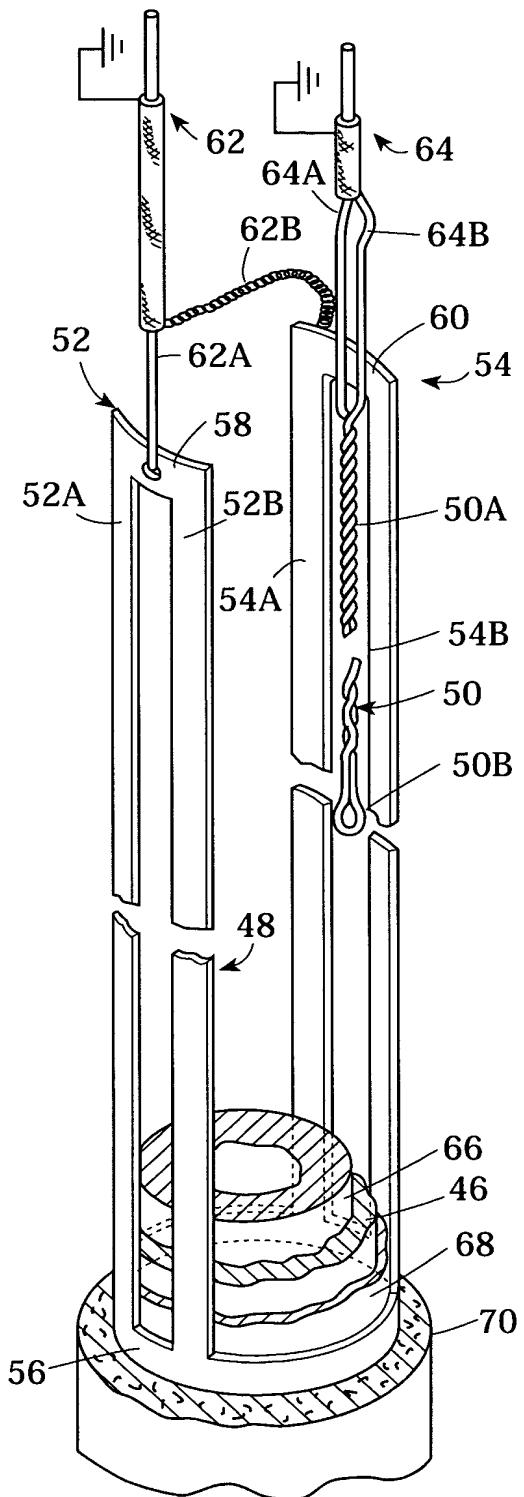


FIG. 4

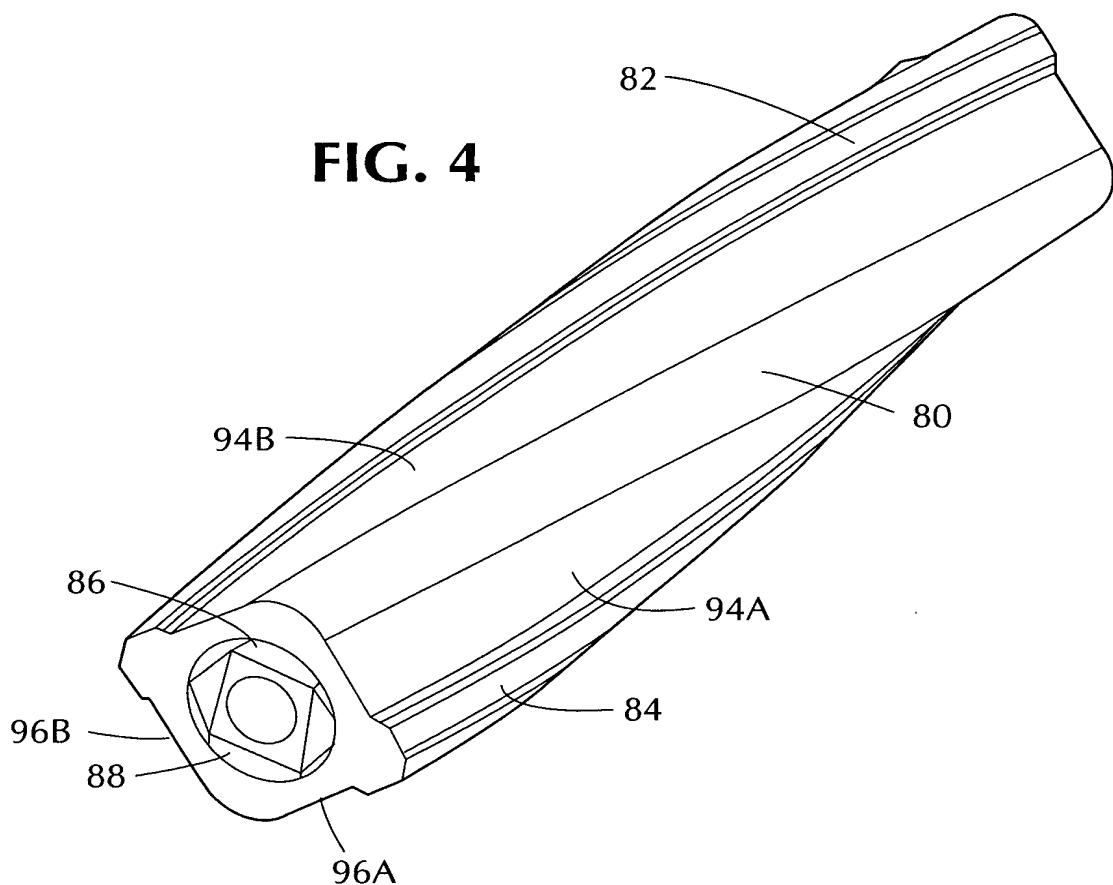


FIG. 5

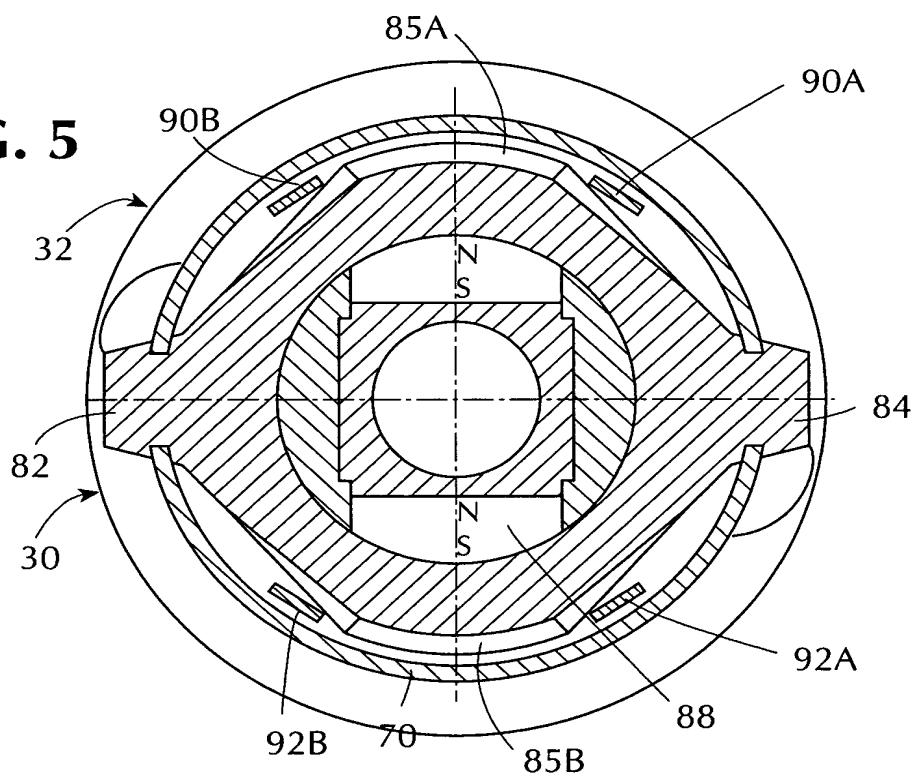
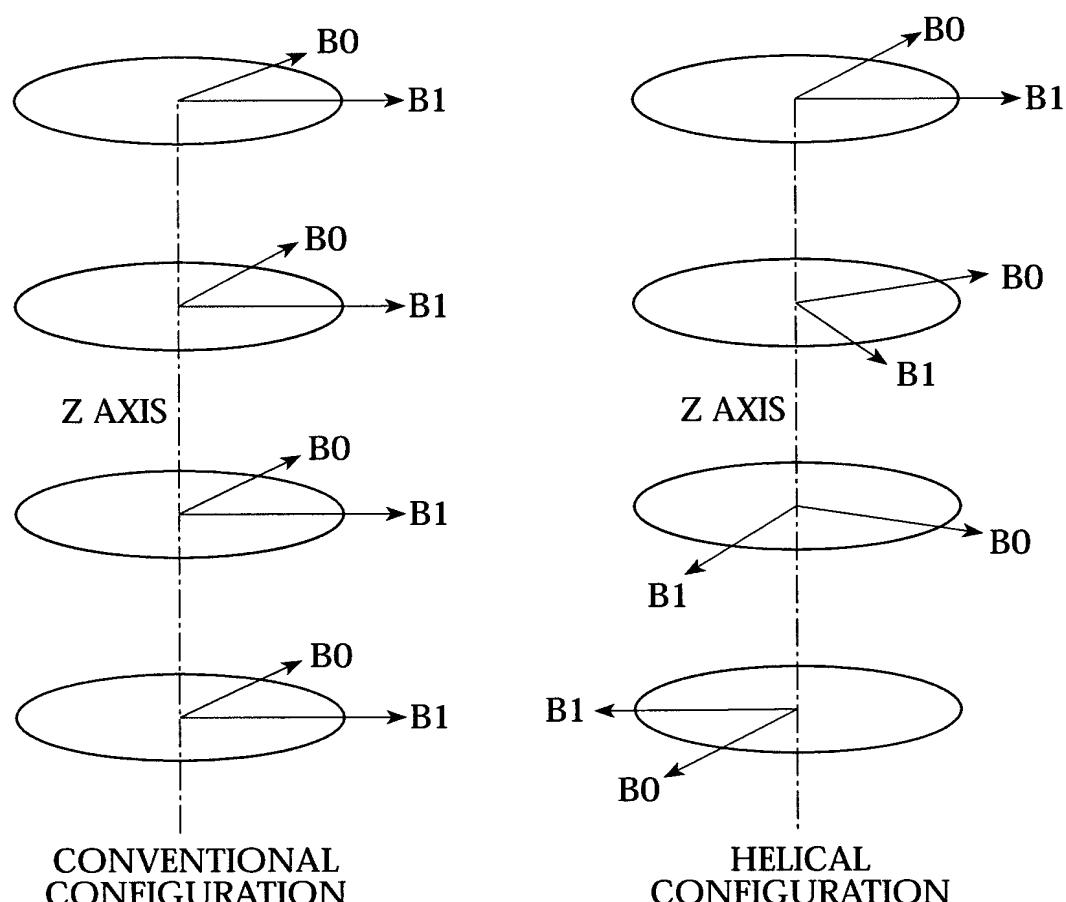


FIG. 6



B_0 = DIRECTION OF STATIC MAGNETIC FIELD

B_1 = DIRECTION OF RF INDUCED MAGNETIC FIELD

ANSYS 5.4
MAY 15 1998
16:23:30
NODAL SOLUTION
STEP=1
SUB=1
FREQ=500000
AZ
RSYS=0

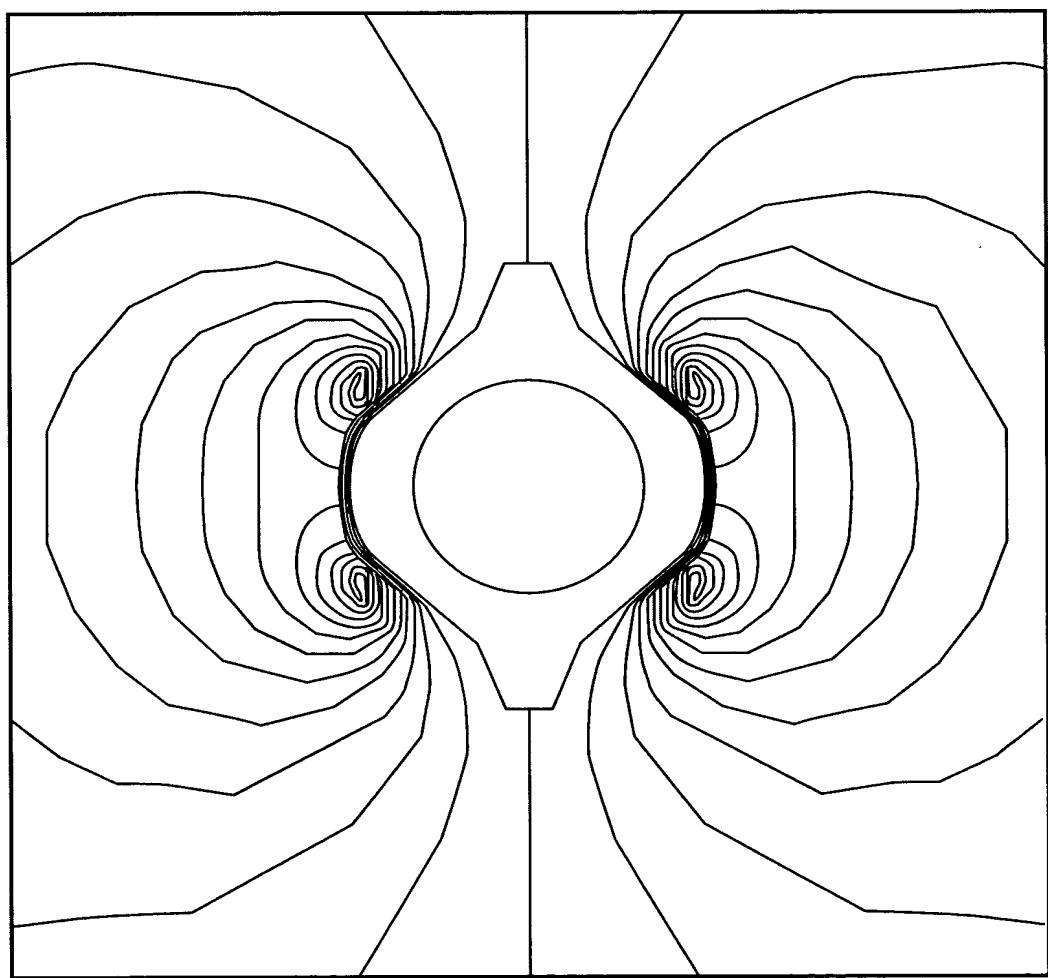


FIG. 7

B1, field flux lines

FIG. 8

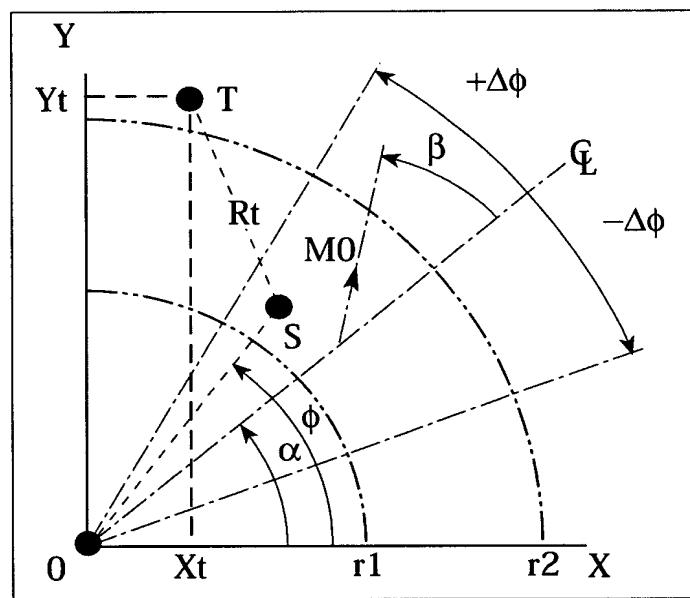


FIG. 9A

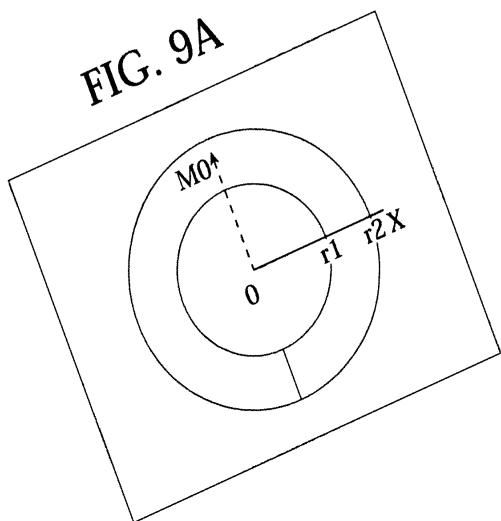


FIG. 9B

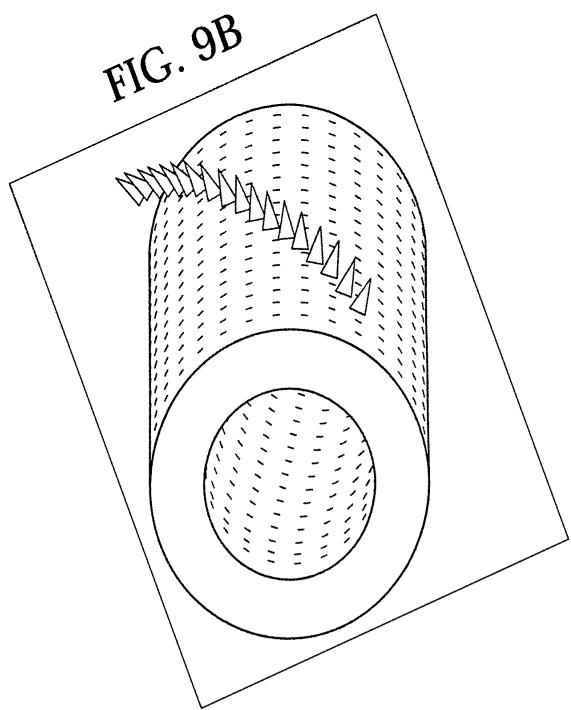


FIG. 10A

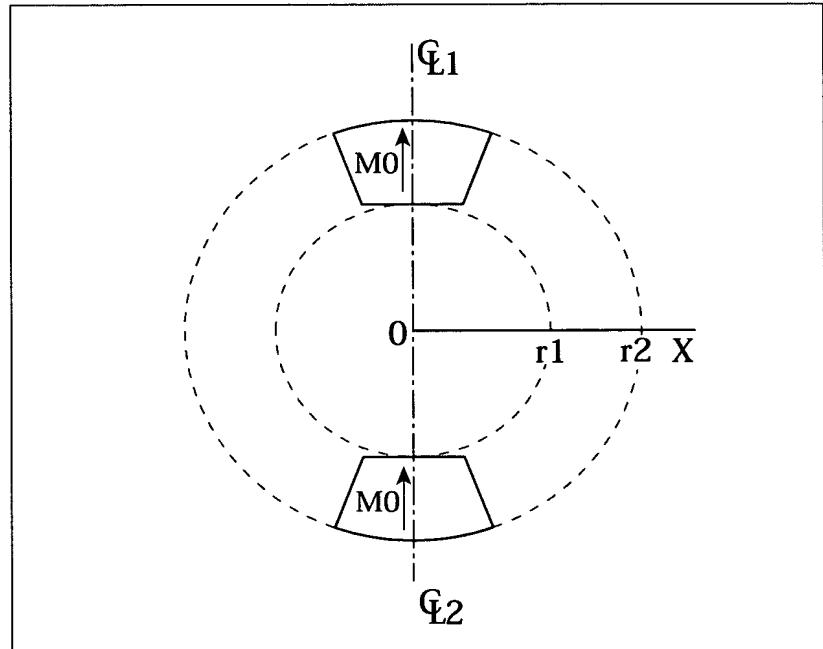


FIG. 10B

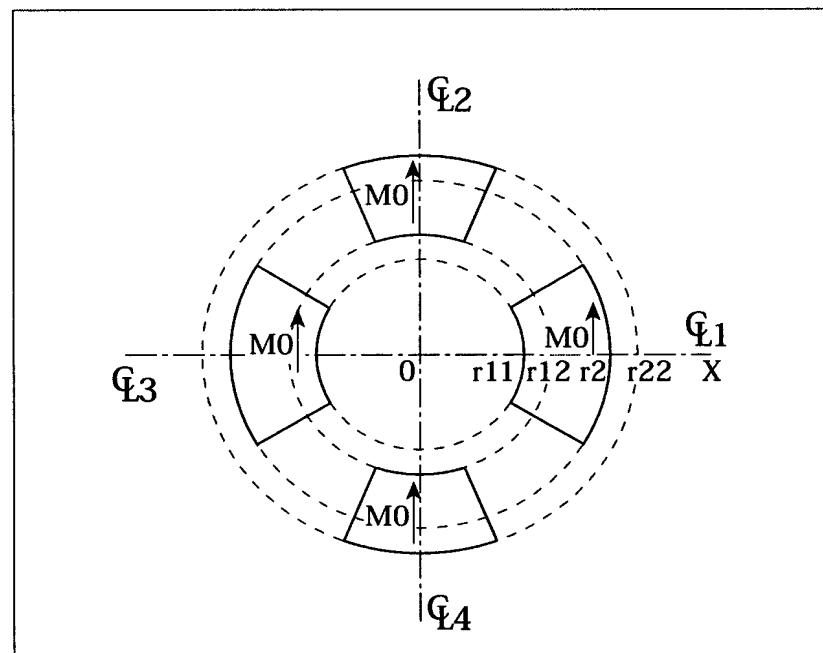


FIG. 11

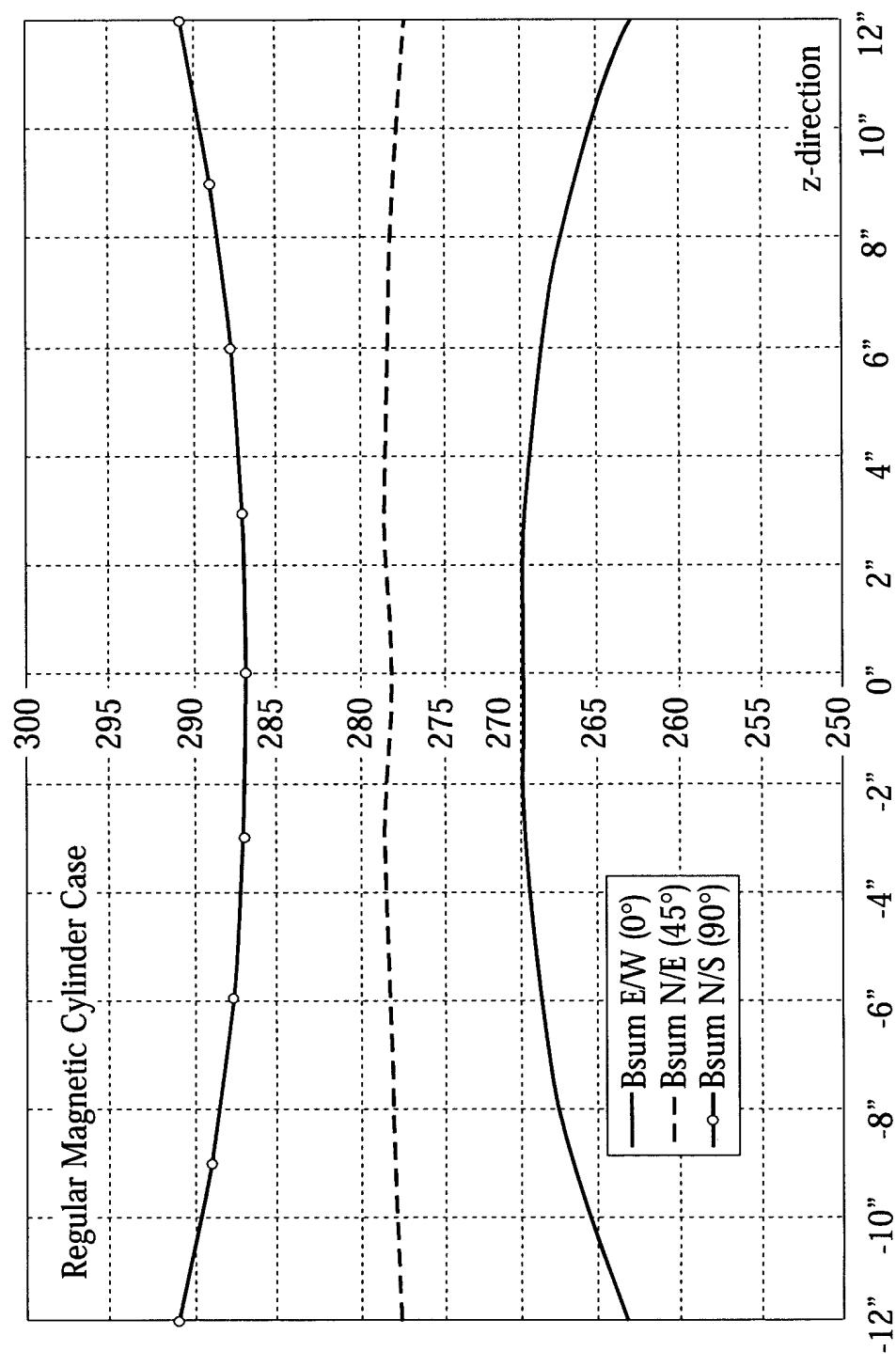


FIG. 12

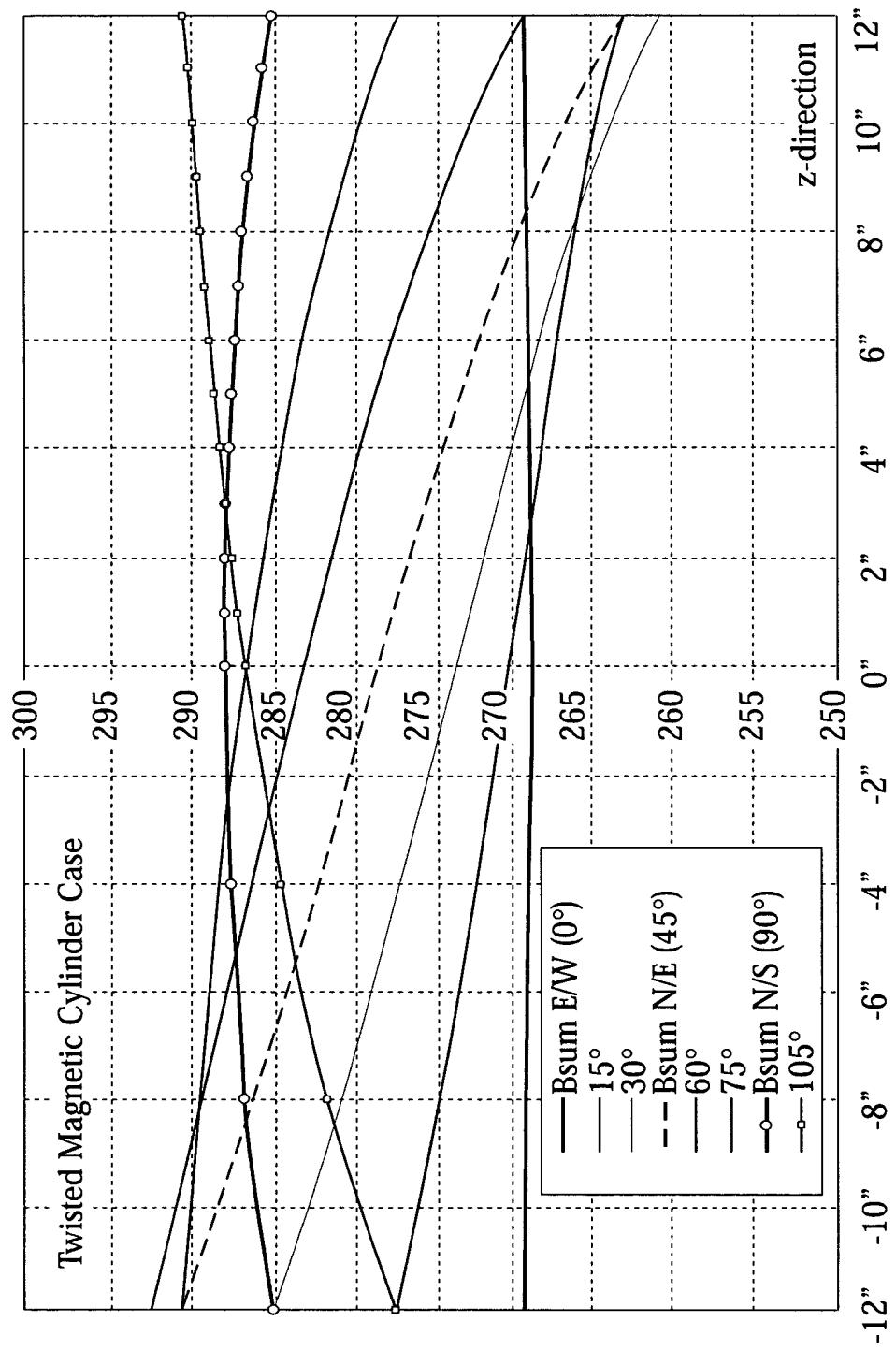


FIG. 13A

“Sensitive Volume” Shape@ $\tau=3/2\pi$

$R_{sv}=6.75"$, Bsum=
(60Gauss...135Gauss)=var

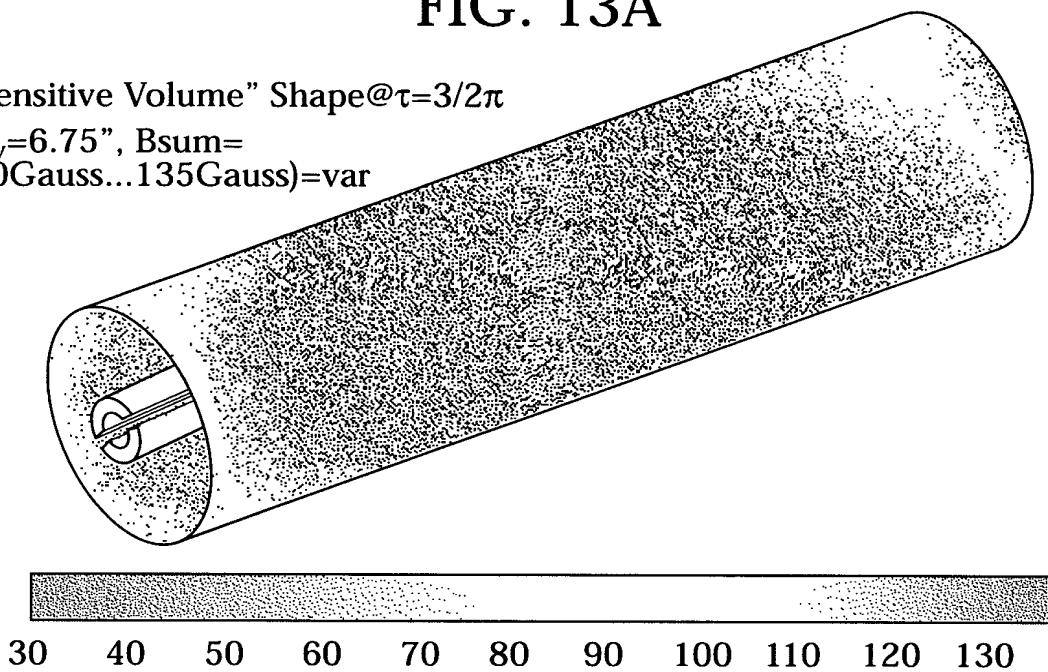


FIG. 13B

Real Sensitive Volume Shape@ $\tau=3/2\pi$

Bsum=B0=130Gauss,
 $R_{sv}=(6.9" \dots 4.8")=var$

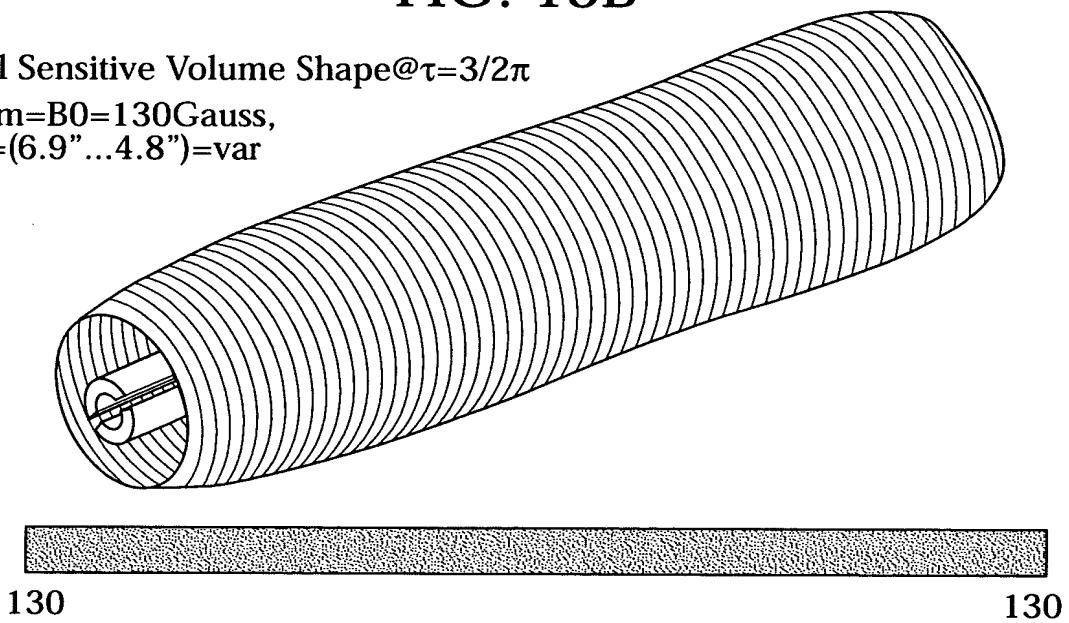


FIG. 14

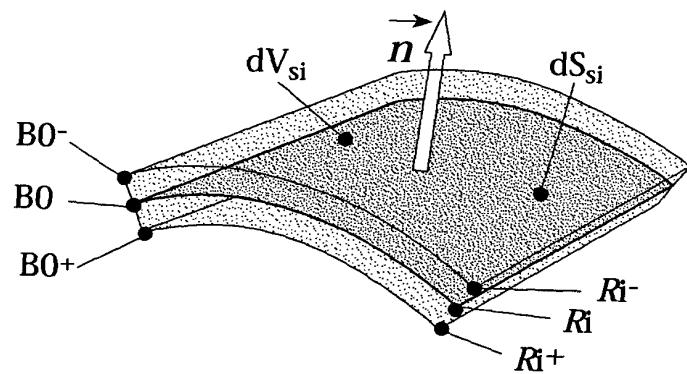


FIG. 15

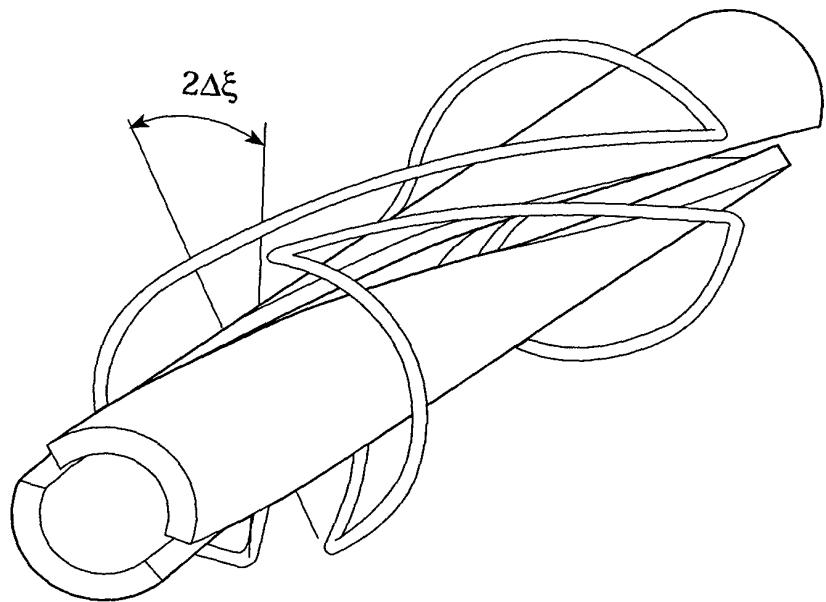


FIG. 16

